

Title (en)
METHOD FOR MANUFACTURING HOT-FORGED MEMBER

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES WARMGESCHMIEDETEN BAUTEILS

Title (fr)
PROCÉDÉ DE FABRICATION D'ÉLÉMENT FORGÉ À CHAUD

Publication
EP 4119257 A4 20230809 (EN)

Application
EP 21767360 A 20210312

Priority
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• JP 2021010022 W 20210312

Abstract (en)
[origin: EP4119257A1] Provided is a method for manufacturing a hot-forged member, the method enabling efficient hot forging while preventing defects such as cracks even when a poor workability alloy is used as a material to be hot forged. A method for manufacturing a hot-forged member, comprising: a heating step of heating an unheated material for hot forging in a furnace to a hot forging temperature; a heat-resistant insulation material bonding step of bonding a heat-resistant insulation material to at least a part of a surface of a material for forging removed from the furnace to obtain a material to be hot forged; and a hot forging step of compressing a part or all of the material to be hot forged into a predetermined shape using any of a die, an anvil, and a tool.

IPC 8 full level
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Citation (search report)
• [X] CN 106040928 A 20161026 - BEIJING INST AERONAUTICAL MATERIALS AVIAT INDUSTRY CORP CHINA, et al
• [X] CN 105478643 A 20160413 - CHINA NAT ERZHONG GROUP DEYANG WANHANG DIE FORGING CO LTD
• [A] US 10427211 B2 20191001 - ZHANG HUA [CN], et al
• [A] CN 1654876 A 20050817 - SHANGHAI NO 5 STEEL CO LTD BAO [CN]
• See also references of WO 2021182606A1

Designated contracting state (EPC)
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CN 115279513 A 20221101; JP 2023116806 A 20230822; JP 7335561 B2 20230830; JP 7428290 B2 20240206;
JP WO2021182606 A1 20210916; US 2023068369 A1 20230302; WO 2021182606 A1 20210916

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